

## Penicillin, (aminomethyl)-

- , (aminomethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(aminomethyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-01-7]
- , (1-aminopentyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2-amino-1-oxohexyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [3381-65-5]
- , (2-amino-1-phenylethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(3-amino-1-oxo-2-phenylpropyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-06-2]
- , (aminophenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2R)-aminophenylacetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [69-53-4]
- , anhydro(α-phenoxymethyl)-  
See Propanamide, N-(2-(1-methylethylidene)-3,7-dioxo-4-thia-1-azabicyclo[3.2.0]hept-6-yl)-2-phenoxy- [3689-98-3]
- , ((1,1'-biphenyl)-2-yl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(1,1'-biphenyl)-2-ylcarbonyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [304-43-8]
- , [[bis(2-chloroethyl)amino]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[bis(2-chloroethyl)amino]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-10-8]
- , [[4-[bis(2-chloroethyl)amino]phenoxy]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[4-[bis(2-chloroethyl)amino]phenoxy]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-12-0]
- , [4-[bis(2-chloroethyl)amino]phenyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[4-[bis(2-chloroethyl)amino]benzoyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-11-9]
- , [[4-[bis(2-chloroethyl)amino]phenyl]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[4-[bis(2-chloroethyl)amino]phenyl]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-13-1]
- , butyl-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxopentyl)amino]-, (2S,5R,6R)- [4704-53-4]
- , [[2-[(carboxymethyl)thio]cyclohexyl]thio]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[2-[(carboxymethyl)thio]cyclohexyl]thio]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-37-9]
- , [[[(carboxymethyl)thio]ethyl]thio]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[(carboxymethyl)thio]ethyl]thio]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-14-2]
- , [[3-[(carboxymethyl)thio]-2-hydroxypropyl]thio]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[3-[(carboxymethyl)thio]-2-hydroxypropyl]thio]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-15-3]
- , [[2-[(carboxymethyl)thio]-1-methylpropyl]thio]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[2-[(carboxymethyl)thio]-1-methylpropyl]thio]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-16-4]
- , [[[(carboxymethyl)thio]methyl]thio]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[(carboxymethyl)thio]methyl]thio]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-17-5]
- , (2-carboxy-3-quinoliny)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2-carboxy-3-quinoliny)carbonyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-18-6]
- , (3-carboxy-2-quinoliny)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(3-carboxy-2-quinoliny)carbonyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [5676-02-8]
- , (3-carboxy-2-quinoxaliny)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(3-carboxy-2-quinoxaliny)carbonyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [1596-63-0]
- , (1-chloroheptyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-(2-chloro-1-oxooctyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [6253-43-6]
- , (1-chloropentyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-(2-chloro-1-oxohexyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [6251-86-1]
- , (chlorophenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-(chlorophenylacetyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [6253-44-7]
- , dethiophenoxymethyl-  
See 1-Azetidineacetic acid, α-(1-methylethyl)-2-oxo-3-[(phenoxymethyl)amino]-, (αR,3R)- [4425-31-4]
- , dethio(phenylmethyl)-  
See 1-Azetidineacetic acid, α-(1-methylethyl)-2-oxo-3-[(phenylacetyl)amino]-, (αR,3S)- [4425-26-7]
- , (2,6-dimethoxyphenyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2,6-dimethoxybenzoyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [61-32-5]
- , (2-ethoxy-1-naphthalenyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2-ethoxy-1-naphthalenyl)carbonyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [147-52-4]

- , [(4-formyl-2-methoxyphenoxy)methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(4-formyl-2-methoxyphenoxy)acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [1517-89-1]
- , heptyl-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxooctyl)amino]-, (2S,5R,6R)- [525-97-3]
- , (2-hydroxyphenyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2-hydroxybenzoyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [4704-52-3]
- , (4-hydroxyphenyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(4-hydroxybenzoyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [4704-55-6]
- , (hydroxyphenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(hydroxyphenylacetyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [4759-24-4]
- , 1H-indol-2-yl-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(1H-indol-2-ylcarbonyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [18556-64-4]
- , (methoxyphenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(methoxyphenylacetyl)amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [4759-25-5]
- , (1-methyl-1-phenoxyethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[(2-methyl-1-oxo-2-phenoxypropyl)amino]-7-oxo-, (2S,5R,6R)- [4780-24-9]
- , (2-methyl-1-phenoxypropyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[(3-methyl-1-oxo-2-phenoxybutyl)amino]-7-oxo-, (2S,5R,6R)- [14446-61-8]
- , (5-methyl-3-phenyl-4-isoxazolyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[(5-methyl-3-phenyl-4-isoxazolyl)carbonyl]amino]-7-oxo-, (2S,5R,6R)- [66-79-5]
- , (2-pentyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-3-hexenyl)amino]-, (2S,5R,6R)- [118-53-6]
- , (1-phenoxybutyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-2-phenoxybutyl)amino]-, (2S,5R,6R)- [4780-27-2]
- , (1-phenoxyhexyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-2-phenoxyheptyl)amino]-, (2S,5R,6R)- [4780-26-1]
- , phenoxyethyl-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenoxyacetyl)amino]-, (2S,5R,6R)- [87-08-1]
- , (1-phenoxypropyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-2-phenoxybutyl)amino]-, (2S,5R,6R)- [551-27-9]
- , [(2-phenylethenyl)thio]methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[[(1Z)-2-phenylethenyl]thio]acetyl]amino]-, (2S,5R,6R)- [1914-73-4]
- , (2-phenylethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-3-phenylpropyl)amino]-, (2S,5R,6R)- [5017-35-6]
- , (phenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]- (2S,5R,6R)- [61-33-6]
- , [phenyl(phenylmethoxy)methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[phenyl(phenylmethoxy)acetyl]amino]-, (2S,5R,6R)- [5676-09-5]
- , [(2-propenylthio)methyl]-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(2-propenylthio)acetyl]amino]-, (2S,5R,6R)- [87-09-2]
- , pyrazinyl-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(pyrazinylcarbonyl)amino]-, (2S,5R,6R)- [4704-50-1]
- , (3-pyridinyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(3-pyridinylcarbonyl)amino]-, (2S,5R,6R)- [4780-25-0]
- , (4-pyridinyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(4-pyridinylcarbonyl)amino]-, (2S,5R,6R)- [4704-56-7]
- , (2-quinoxaliny)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(2-quinoxaliny)carbonyl]amino]-, (2S,5R,6R)- [4704-51-2]
- , (2-thienyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(2-thienylacetyl)amino]-, (2S,5R,6R)- [13268-65-0]

- , (triphenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(triphenylacetyl)amino]-, (2S,5R,6R)- [2922-82-9]
- Penicillin A**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxooctyl)amino]-, (2S,5R,6R)- [525-97-3]
- Penicillin-binding proteins**  
Valid heading during volumes 126-130 (1997-June 1999) only  
See Proteins, specific or class, penicillin-binding protein
- Penicillin BT**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(butylthio)acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [6192-29-6]
- Penicillin F**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-3-hexenyl)amino]-, (2S,5R,6R)- [118-53-6]
- , dihydro-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxohexyl)amino]-, (2S,5R,6R)- [4493-18-9]
- Penicillin G**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]- (2S,5R,6R)- [61-33-6]
- , anhydro-  
See Benzeneacetamide, N-[(5R,6R)-2-(1-methylethylidene)-3,7-dioxo-4-thia-1-azabicyclo[3.2.0]hept-6-yl]- [17276-73-2]
- Penicillin Hx**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(hexahydro-1H-azepin-1-yl)methyl]ene]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [32887-01-7]
- Penicillinic acid**  
—, (phenylmethyl)-  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]- (2S,5R,6R)- [61-33-6]
- Penicillin K**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxooctyl)amino]-, (2S,5R,6R)- [525-97-3]
- Penicillin M**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(5S)-5-amino-5-carboxy-1-oxopentyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [58678-43-6]
- Penicillin N**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(5R)-5-amino-5-carboxy-1-oxopentyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [525-94-0]
- Penicillin O**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(2-propenylthio)acetyl]amino]-, (2S,5R,6R)- [87-09-2]
- Penicillin phenoxymethyl hydrabamine**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenoxyacetyl)amino]-, (2S,5R,6R)-, compd. with N,N'-bis[(1R,4a,10aR)-1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenyl]methyl]-1,2-ethanediamine (2:1) [6591-72-6]
- Penicillin N-ring expansion enzyme**  
See Synthetase, deacetoxycephalosporin C [85746-10-7]
- Penicillin S**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[(3-chloro-2-butenyl)thio]acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [575-54-2]
- Penicillin SGD<sub>2</sub>**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(1-oxo-2,3-diphenyl-2-propenyl)amino]-, monosodium salt, (2S,5R,6R)- [74427-48-8]
- Penicillin V**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenoxyacetyl)amino]-, (2S,5R,6R)- [87-08-1]
- , anhydro-  
See Acetamide, N-[(5R,6R)-2-(1-methylethylidene)-3,7-dioxo-4-thia-1-azabicyclo[3.2.0]hept-6-yl]-2-phenoxy- [47295-33-0]
- Penicillin V benzathine**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenoxyacetyl)amino]-, (2S,5R,6R)-, compd. with N,N'-bis[(phenylmethyl)-1,2-ethanediamine (2:1) [6591-72-6]
- Penicillin V hydrabamine**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenoxyacetyl)amino]-, (2S,5R,6R)-, compd. with N,N'-bis[(1R,4a,10aR)-1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenyl]methyl]-1,2-ethanediamine (2:1) [6591-72-6]
- Penicillin X**  
See 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)- [525-91-7]
- Penicillinsin**  
See [1,1'-Bianthrane]-10,10'(9H,9'H)-dione, 2,2',4,4',5,5'-hexahydroxy-7,7'-dimethyl- [517-48-6]
- Penicillium abeanum**  
See Penicillium spinulosum
- Penicillium alboaurantium**  
See Paecilomyces farinosus
- Penicillium avellaneum**  
See Hamigera avellanea
- Penicillium baarnense**  
See Eupenicillium baarnense
- Penicillium brefeldianum**  
See Eupenicillium brefeldianum